SAMPLE COLLECTION SUMMARY SHEET
6-FOOT INTEGRATED SAMPLER

ON LAKE

1. Motor to the deep hole or other designated sampling site. Anchor boat.

2. Remove sunglasses. Measure and record secchi depth from shady side of the boat and complete water aesthetics survey.

3. Record weather and other observations

4. Rinse integrated sampler. Collect a 6-foot integrated water column sample. Empty the water into the juice jug. Store sample in a cool, shady spot until you return to shore.

5. Collect and record temperature readings for your pre-selected depths.

6. If you are monitoring oxygen levels, use the van dorn to collect water samples (depths selected by CLMN Coordinator) and run the analysis for titration or colorimetric method (summary attached).

Note: If you monitor more than one site, you should have a separate juice jug to collect water from each site.

ON SHORE PROCEDURE

1. In a shady spot, gently mix the water sample in juice jug and fill the phosphorus bottle. Add 8 drops of sulfuric acid. Check pH with litmus paper using clean techniques described in your manual. If pH is less than 2, it is good to go. If pH is 2.5 or greater add sulfuric acid 4 drops at a time until the pH is 2. Label phosphorus bottle. Place sample in refrigerator until ready to mail.

2. Determine amount of water to filter based on your secchi disk reading from that day. Gently shake remaining water in juice jug and measure amount to be filtered using graduated cylinder. Place filter in magnetic filter cup using forceps. Pour water a little at a time from graduated cylinder into filter cup. If filter clogs and water does not filter, refer to page 44 of your manual.

3. Pump water through filter.

4. Using forceps, place filter in plastic tube from SLOH mailer.

5. Label tube and keep tube in freezer until ready to mail.

Amount of water to filter for chlorophyll sample is based on your secchi reading for that day

SECCHI DEPTH	VOLUME OF WATER TO FILTER
< 1 FOOT	50 mls
1 – 1.5 Ft.	100 mls
Greater than >1.5	200 mls